



Nationwide Health Information Network Conformance Testing “Initial Connectivity Test” for Patient Discovery, Query for Documents, and Retrieve Documents

The table below provides an overview of the information you will need to complete the National Health Information Network “Initial Connectivity Test.”

Self-test. It is recommended that you run the tests with you own test systems prior to entering the validation process. Upload your Query for Documents and Retrieve Documents messages, as well as your system-generated C32 messages, to the conformance validation tools provided by the National Institute of Standards and Technology (NIST). Details are at the bottom of this document.

Conformance testing. The initial connectivity test is the first test performed as part of conformance testing for the Nationwide Health Information Network validation process. Before beginning the initial connectivity test, you should have your validation certificate, be entered in the service registry, loaded the test patient data into your system, and reviewed all conformance test cases.

	Candidate is the initiator	Candidate is the responder
Test Patient Information <i>(see test patient information spreadsheet for patient metadata and summary record information – load patients and documents into your system ahead of time)</i>	James Alan Hamilton (Patient 7) Male dob: 1980-07-02 800 Telephone Ct Honolulu, HI USA 96801 1-808-300-2343	Robert M Carson (Patient 2) Male dob: 1960-02-10 290 Jackson Lane Boulder, CO USA 80301 1-303-454-0909 1-303-454-0111
Patient Discovery (PD)	Request by patient name, gender, & DOB (similar to PDI-1.1a) - (You can choose to send a feed which includes the patient id or not, depending on system preference.) Test system should make a match.	Receive a request for the patient by name, gender, & DOB (similar to PDR-4.1) (The initiator can choose to send a feed which includes the patient id or not, depending on system preference.) Your system should make a match and return patient information.
Query for Documents (QD)	Request by patient id and document status of Approved (similar to QDI-1.1) Test system should return metadata for 3 documents.	Receive a request for document metadata based on the patient id for Robert M. Carson (similar to QDR-4.1a) Your system should return metadata for 2 documents, unless it dynamically generates documents, in which case, it may serve a single document that includes the information from both documents.

	Candidate is the initiator	Candidate is the responder
Retrieve Documents (RD)	<p>Retrieve 3 documents by document id (similar to RDI-1.1)</p> <p>Test system will return 3 documents.</p>	<p>Receive a request for documents based on ids sent for query above (documents fro Robert M. Carson)</p> <p>Your system should return 2 documents, unless it dynamically generates documents, in which case, it may serve a single document that includes the information from both documents.</p>

Table 1: "Initial Connectivity Test" Overview

Self-test conformance assessment tools.

Before beginning NHIN validation testing, you are strongly encouraged to assess the conformance of your system with three tools that are publically available from NIST, as described below.

- **C32 conformance validation.** If your system generates its own C32 documents, use the NIST validator available here: <http://xreg2.nist.gov/cda-validation/>.
- **Query for Documents and Retrieve Documents message validation.** A NIST tool is available so that you can confirm conformance to these specifications prior to beginning validation testing.
 - Visit this web site: <http://ihexds.nist.gov/xdstools2/>.
 - Click "Message Validator."
 - Select "Guess Based on Content."
 - Upload an unencrypted message body.
 - The system will display results.

Your system should have conforming results from these tools before commencing PD-QD-RD validation.